

Curriculum Vitae

Name : Thomas A. Sporn, M.D.
Title: Associate Professor of Pathology
Co-Head: Pulmonary and Thoracic Pathology

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Personal

Date and Place of Birth: 22 November 1957, Rochester New York
Citizen: United States of America

Education:

1976 High School Sidwell Friends School, Washington DC
1982 BA University of Vermont, Burlington B.A. Zoology/German
1986 MD Georgetown University School of Medicine, Washington DC

Professional Training:

Internship, Residencies & Assistantships:

1986-1987 Internship in Medicine, Berkshire Medical Center, Pittsfield, Massachusetts
1987-1989 Resident, Department of Medicine, Georgetown University Hospital, Washington, DC
1993-1994, Resident, Anatomic Pathology, Duke University Medical Center,
1995-1997 Durham, North Carolina, Chief Resident 1996-1997

Fellowships:

1989-1992 Fellow, Pulmonary Diseases and Critical Care Medicine, Georgetown University Hospital, Washington DC
1994-1995 Fellow, Forensic Pathology and Assistant Chief Medical Examiner, North Carolina Office of the Chief Medical Examiner, Chapel Hill, North Carolina
1997-1998 Fellow, Pulmonary Pathology (Victor Roggli, Mentor)
Duke University Medical Center, Durham, North Carolina

Clinical & Academic Career:

University Appointments:

1998- Assistant Professor of Pathology, Duke University
2008- Associate Professor of Pathology, Duke University, with tenure

Hospital Appointments:

1998- Pathologist, Duke University Medical Center

Licensure & Certifications:

Medical Licenses: North Carolina 52795

Board Certifications:

American Board of Internal Medicine 1989
American Board of Pathology, Anatomic Pathology/Forensic Pathology 2000

Organizations & Participation and Other Professional Positions:

1. Panelist, National Non-Small Cell Lung Cancer Panel, National Comprehensive Cancer Center Network
2. Pulmonary Pathology Society Member (1998), member of Awards Committee
3. United-States Canadian Academy of Pathology

Teaching Responsibilities

1. Duke University School of Medicine: Body and Disease 1, Pathology 305
2. Duke University Medical Center Department of Pathology

Daily didactic sessions with residents at microscope during sign out Monday Morning Surgical Pathology Unknown Conference
Surgical pathology lecture series/resident didactic curriculum: Pleuropulmonary Neoplasia, Pathology of interstitial and occupational lung diseases
3. Duke University Medical Center Pulmonary and Critical Care Division
Fellows conferences and Pulmonary Medicine Board review

Teaching/Speaker Experience: National & International

1. Sporn, T.A., Roggli, V.L.: Calretinin Monoclonal Antibody: Comparison with ultrastructure and other immunohistochemical techniques. Ultrapath IX Society for Ultrastructural Pathology, Asheville, NC, August 1998.
2. Sporn, T.A., Roggli VL, Pratt PC: Pathology of the Adult Respiratory Distress Syndrome. Pulmonary Pathology Society Companion Meeting VVII International Congress of the International Academy of Pathology, Nice, France, October 1998.
3. Sporn, T.A. Pulmonary Involvement with Anaplastic Large Cell Lymphoma Pulmonary. Pulmonary Pathology Specialty Conference, United States and Canadian Academy of Pathology, San Francisco, CA, March 1999.
4. Sporn, T.A., Butnor, K. J., Roggli, V.L. Malignant Vascular Tumors of the Pleura, Pulmonary Pathology Society Annual Meeting, August 1999, Asheville, NC.
5. Sporn TA, Butnor KJ, Vollmer RT, Roggli VL: Tremolite and mesothelioma. Inhaled Particles IX , British Occupational Hygiene Society, Cambridge UK, September 2001
6. Sporn TA, Butnor KJ, Roggli VL. Epithelioid hemangioendothelioma of the pleura. International Academy of Pathology XXIVth International Congress, Amsterdam NL, October 2002
7. Sporn TA. Pathology of Pleural tumors. Toyama City Hospital, Toyama Prefecture, Japan, October 2003
8. Sporn T.A. Viral Pneumonias: Infectious Diseases Specialty Conference, United States and Canadian Academy of Pathology Annual Conference, San Antonio Texas, March 2005
9. Sporn TA Applications of Microprobe Analysis in Pulmonary Pathology, 63rd Annual Meeting of Microscopy Society of America, Honolulu HI, August 2005
10. Sporn TA: Analytic Electron Microscopy: Techniques and utilization in the diagnosis of occupational lung disease and pneumoconiosis. Electron Microscopy Working Group, European Congress of Pathology, Paris, August 2005
11. Sporn TA: Pathology of Human Parainfluenza Virus Infection. 64th Annual Meeting of the Microscopy Society of America Chicago, IL July 2006
12. . Sporn TA: Epithelioid Hemangioendothelioma, Short Course on Pleural Tumors. International Academy of Pathology XXVI Annual Congress, Montreal Canada September 2006

Local

1. Sporn TA: Pathology of Pleural Tumors Cardiothoracic Surgery Grand Rounds, Duke University Medical Center, November 2002
2. Sporn TA: Pulmonary Vasculitides Rheumatology Grand Rounds Duke University Medical Center, February 2005
3. Sporn TA: Pleural neoplasms, Hematology-Oncology Grand Rounds, Duke University Medical Center, February 2006,
4. Sporn, TA Peritoneal mesothelioma, Hematology-Oncology Grand Rounds Duke University Medical Center May, 2008

Keynote Speaker:

1. Pathology of Asbestos related Lung Disease, North Carolina Society of Pathologists Annual Meeting, Greensboro, October 2005

Duke Medical School Courses:

Body and Disease I: Pathology of Neoplastic/Non Neoplastic Lung Diseases lectures and demonstration series, clinicopathologic correlative conferences

Other Duke Conferences

1. Weekly Multidisciplinary Chest Conference
2. Weekly Thoracic Oncology Program Conference
3. Weekly Interstitial Lung Diseases Clinic Patient Care Conference

Principal Clinical & Hospital Service Responsibilities:

Chief Pathologist, Thoracic Oncology Program Duke Comprehensive Cancer Center
Co- Head, Department of Pathology, thoracic pathology section, division of surgical pathology
Chief Pathologist, Duke University Medical Center Interstitial Lung Disease Clinic

Grant & Contract Support

1. **NHLBI 5U01 CA9612302** PI Kelley M/ **Sporn TA** coI(5%) Total Direct \$454,498 Phase I/II Trial
of ZD1839 and Celecoxib in ex-smokers
2. NIH/NCI 1U01-CA-96123-03 PI Kelley M/ Sporn TA CoI (5%- \$1825) Phase I study of Gefinitinib (IRESSA) and celecoxib in former smokers with advanced, previously treated non-small cell lung ca

Research Interests:

Pathology of interstitial lung disease, pneumoconioses/asbestos-associated lung disease, cancers of the lung, pleura and mediastinum.

BIBLIOGRAPHY

1. Read, C.A., Sporn, T.A., Yeager, H.H. Parapneumonic Effusion, a Pitfall in Diagnosis Chest 1992; 101: 1712-1715
2. Kong, F.K., Anscher, M.D., Sporn, T.A., Washington, M.K., Jirtle, R.L. et al. Loss of heterozygosity at the mannose 6-phosphate insulin-like growth factor 2 receptor locus predisposes patients to radiation-induced lung injury. Int J Radiat Oncol Biol Phys 2001 49: 35-41.
3. Abushamaa A.M., Sporn, T.A., Foltz, R.J.: Oxidative stress and inflammation contribute to lung toxicity after a common breast chemotherapy regimen. Am J Physiol Lung Cell Mol Physiol 2002 336-345
4. Marom, E.M., McAdams, H.P., Sporn, T.A., Goodman, P.C. Lentil aspiration pneumonia: radiographic and CT findings. JCAT 1998; 22:598-600.
5. Nolan, R.L. McAdams, H.P., Sporn, T.A., Roggli, V.L., Tapson, V.F. Cholesterol granulomas in patients with pulmonary arterial hypertension: radiographic and CT findings. AJR 1999; 172:1317-9.
6. Marom, E.M., McAdams, H.P., Palmer, S.M., Erasmus, J.J., Sporn, T.A., Tapson, V.F., Davis, R.D., Goodman, P.C. The utility of thoracic CT in the pre lung transplant evaluation of patients with cystic fibrosis. Radiology 1999; 213:283-288.
7. Rossi, S., McAdams, H.P., Erasmus, J.J., Sporn, T.A. Roentgenogram of the month: 63 year old woman with two month history of dyspnea. Chest. 2000 117(5) 1505-1507.
8. Matar, L.D., McAdams, H.P., Sporn, T.A. Hypersensitivity pneumonitis. AJR. Am J Roentgenol 2000174(4) 1061-6.
9. Stamat, J.C., Chekan, E.G., Ali, A., Ko, A., Sporn, T.A., and Eubanks, W.S. J Lap Adv Surg Tech 9:5; 433-437, 1999.
10. Crotty EJ, Mc Adams HP, Erasmus JJ , Sporn TA, Epithelioid hemangioendothelioma of the pleura: Clinical and radiologic features. AJR Am J Roentgenol 2000 175(6) 1545-9.
11. Rossi SE, McAdams HP, Mc Adams HP, Sporn TA, Goodman PC. Pulmonary drug toxicity: radiologic and pathologic manifestations. Radiographics 2000 20(5):1245-1259
12. Harpole DH, Moore MB, Herndon JE, Aloia T, D'Amico TA, Sporn TA et al. The prognostic value of molecular marker analysis in patients treated with trimodality therapy for esophageal cancer Clin Cancer Res 2001 7(3) 562-569

14. Ravenel JG, McAdams HP, Plankeel JF, Butnor KJ, Sporn TA. Sarcoidosis induced by interferon therapy. *Am J Roent* 2001 177(1): 199-201
13. Bhagat R, Sporn TA, Long GD, Folz RJ. Amiodarone and cyclophosphamide: potential for enhanced lung toxicity. *Bone Marrow Transplant* 2001 27(10) 1109-1111.
14. Butnor KJ, Sporn TA, Dodd LG. Fine needle aspiration cytology of mucinous cystadenocarcinoma of the lung. *Acta Cytol* 2001 45(5): 779-783.
15. Butnor KJ, Sporn TA, Hammar SP, Roggli VL. Well-differentiated papillary mesothelioma. *Am J Surg Pathol* 2001 25(10) 1304-1309.
16. Butnor KJ, Sporn TA, Roggli VL. Pulmonary apical cap. *Am J Surg Pathol* 2001 25(10):1344
17. Hadjiliadis D, Sporn TA, Perfect JR, Tapson VF, Davis RD, Palmer SM. Outcome of lung transplantation in patients with mycetomas. *Chest* 2002 121(1): 128-134.
18. Roggli VL, Sharma A, Butnor KJ, Sporn T, Vollmer RT. Malignant mesothelioma and occupational exposure to asbestos.: a clinicopathological correlation of 1445 cases. *Ultrastruct Pathol* 2002 26(2) 55-65.
19. Voynow JA, Schanberg L, Sporn T, Kredich D. Pulmonary complications associated with Kawasaki disease. *J Pediatr* 2002 140(6) 786-7.
20. Roggli VL, Vollmer RT, Butnor KJ, Sporn TA. Tremolite and mesothelioma. *Ann Occup Hyg* 2002 46(5) 447-53.
21. Sporn TA, Butnor KJ, Roggli VL. Epithelioid hemangioendothelioma of the pleura: an aggressive vascular malignancy and clinical mimic of malignant mesothelioma. *Histopathol* 2002 41(5, suppl 2) 173-176
22. Butnor KJ, Sporn TA Ingram P, Gunasegaram S, Pinto JF, Roggli VL. Beryllium detection in human lung tissue: A novel application of energy dispersive X-ray analysis. *Ann Occup Hyg* In Press.
23. Butnor KJ, Sporn TA and Roggli VL. Brake dust exposure and malignant mesothelioma. *Ann Occup Hyg*, 2003 47(4) 325-30.
24. Butnor KJ, Sporn TA Human parainfluenza virus giant cell pneumonia following cord blood transplant associated with pulmonary alveolar proteinosis. *Arch Pathol Lab Med* 2003 127(2) 235-238.
26. Volmar KE, Sporn TA, Cummings TJ. Pathologic Quiz case: A 54-year old man with multiple pulmonary nodules. *Arch Pathol Lab Med* 2003 127(7) e319-320
27. Butnor KJ, Sporn TA, Ingram P, Gunasegaram S, Pinto JF, Roggli VL. Beryllium detection in human lung tissue using electron-probe microanalysis. *Mod Pathol* 2003 16(11):1171-7

28. Taylor JL, Quinone Maymi D, Sporn TA, McAdams HP, Wahidi M. Multiple lung nodules in a woman with a history of melanoma. *Respiration* 2003 70(5) 544-48.
29. Schneider F, Volmar KE, Sporn TA. Pathologic Quiz Case: A 53 year old man with chest pain and cough: Malignant (diffuse) mesothelioma, biphasic variant, with heterologous differentiation. *Arch Pathol Lab Med* 2004 128(1): 107-108
30. Volmar KE, Sporn TA, Tolza EM, et al. Giant cell tumor of rib masquerading as thymoma: a diagnostic pitfall in needle core biopsy of the mediastinum. *Arch Pathol Lab Med* 2004 128(4):452-455
31. Butnor KJ, Burchette JL, Sporn TA, Hammar SP, Roggli VL. The spectrum of Kit (CD117) immunoreactivity in lung and pleural tumors: a study of 96 cases using a single-source antibody with a review of the literature *Arch Pathol Lab Med* 2004 `128 (5) 538-543
32. Sellon RK, Johnson JL, Leathes CW Sporn T, Beckley JC. Tracheobronchiopathia osteochondroplastica in a dog. 2004. *J Vet Intern Med* 18(3) 359-362
33. Brownlee NA, Mahar AM Sporn TA. Bilateral pulmonary nodules in a 37 year old woman with malignant melanoma. Pulmonary Langerhans histiocytosis (eosinophilic granuloma) *Arch Pathol Lab Med* 2005 129(5) 136-137
34. Hurwitz LM, McAdams HP, Sporn TA. A 73 year old woman with a cough. *Chest* 2005 128(2) 1018-121
35. Steele MP, Speer MC, Loyd JE, Brown KK, Heron A, Slifer H, Burch LH, Wahidi MM, Sporn TA, McAdams HP, Schwartz MI, Schwartz DA. Clinical and pathologic features of familial interstitial pneumonia. *Am J Respir Crit Care Med* 2005 172(9) 1146-1152
36. Steele MP, Speer MC, Loyd JC, Brown KK, Slifer SH, Burch LH, Wahidi M, Philips JA, **Sporn TA**, Schwarz MI, Schwartz DA. The role of genetics and cigarette smoking in the development of pulmonary fibrosis. *Respirology* 2006; 11 Suppl 1 S23
37. Hargett CW, Sporn TA, Roggli VL, Hollingsworth JW Giant cell interstitial pneumonia associated associated with nitrofurantoin. *Lung* 2006 184:147-9
38. Yang IV, Burch LH, Steele MP, Savov JD, Hollingsworth JW, McElvania TE, Berman KG, Speer MC, Sporn TA, Brown KK, Scwarz MI, Schwartz DA. Gene expression profiling of familial and sporadic interstitial pneumonia. *Am J Respir Crit Care Med* 2007 (175): 45-54
39. Butnor KJ, Sporn TA, Ordonez N Association of Directors of Anatomic and Surgical Pathology Recommendations for the reporting of pleural mesothelioma *Hum Pathol* 2007 38 1587-89
40. Butnor KJ, Sporn TA, Ordonez N Recommendations for the reporting of pleural mesothelioma.

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41. Liby K, Royce DR, Williams CR, Risinsong R, Yore MM, Honda T, Gribble GW, Dmitrovsky E, Sporn TA, Sporn MB. The synthetic triterpenoids CDDO-methyl ester and CDDO ethyl amide prevent lung cancer induced by vinyl carbamate in A/J mice. *Cancer Res* 2007 67 (6) 1-6
42. Leipsic JA, McAdams HP, Sporn TA Follicular dendritic cell sarcoma of the mediastinum *Am J Roentgenol* 2007 188: 554-6
43. Reddy AJ, Govert JA, Sporn TA, Wahidi MM. Broncholith removal using cryotherapy *Chest* 2007 132: 161-3
44. Wong TZ, Lacy JL, Petry NA, Hawk TC, Sporn TA, Dewhirst MW, Vlahovic G
PET of hypoxia and perfusion with ⁶²Cu-ATSM and ⁶²Cu-PTSM using a ⁶²Zn/⁶²Cu generator *Am J Roentgenol* 2008 427-32
45. Downing TE, Sporn TA, Bollinger RR, Davis RD, Parker R, Lin SS. Pulmonary histopathology in a rat model of chronic aspiration is independent of the acidity of the inhaled gastric contents *Exp Biol Med* 2008 233 (10): 1202-12
46. Roggli VL, Sporn TA, Butnor KJ. Comments on Dodson et al. A technical comparison of evaluating asbestos concentration by phase contrast microscopy, scanning electron microscopy and analytical transmission electron microscopy as illustrated from a case report. *Inhal Toxicol* 2008 12 113-4
47. Schneider F, Sporn TA, Roggli VL. Crocidolite and mesothelioma. *Ultrastruct Pathol* 2008 32(5) 171-7.
48. Klebe S, Brownlee NA, Mahar A, Burchette JL, Sporn TA, Vollmer RT, Roggli VL. Sarcomatoid mesothelioma: a clinical pathologic correlation of 326 cases. *Mod Pathol* 2010 23 (3) 470-9
49. Schneider F, Sporn TA, Roggli VL. Asbestos fiber content of lungs with diffuse interstitial fibrosis: An analytical scanning electron microscopic analysis of 249 cases. *Arch Pathol Lab Med* 2010 134 :457-61

Chapters & Invited Reviews

Non- Small Cell Lung Cancer: Practice Guidelines in Oncology v.2.2005 (National Comprehensive Cancer Center Network) NCCN Non-small cell lung cancer panel member

Co-editor Pathology of Asbestos-Associated Diseases (Roggli VL, Oury TD, Sporn TA, eds) 2nd Edition, Springer Verlag, New York, 2004

Sporn TA, Butnor KJ. Cytopathology Ch 4 in, Pathology of Asbestos-Associated disease (Roggli VL, Oury TD, Sporn TA, eds) 2nd edition Springer Verlag, New York, 2004

Sporn TA, Roggli VL Mesothelioma Ch 5 in, Pathology of Asbestos-Associated Diseases (Roggli VL, Oury TD, Sporn TA, eds) 2nd edition Springer Verlag, New York, 2004

Sporn TA, Roggli VL Asbestosis Ch 9 in Pathology of Asbestos Associated Diseases (Roggli VL, Oury TD, Sporn TA, eds) 2nd edition Springer Verlag, New York, 2004

Sporn, T.A., Roggli, V.L., Shelburne, J.D., Ingram, P: Overview of applications in medicine, Chapter 3 In: Biomedical Applications of Microprobe Analysis. (Ingram, P., Shelburne, J., Roggli, V., LeFurgey, A., eds.), Academic Press: New York, 1999, pg. 87

Sporn TA and Roggli VL Pneumoconioses, Mineral and Vegetable, Ch 26 In: Dail and Hammar's Pulmonary Pathology (Fraire AE, Cagle PT and Tomshewski JT, eds) Springer New York in press

Sporn TA Primary Pleural Neoplasms, Ch 33 In: Pulmonary Pathology (Farver CE, Zander DT eds) Elsevier 2008

Sporn TA, Roggli VL Predominantly mature interstitial fibrosis, Ch 5 In: Diagnostic Pulmonary Pathology (Cagle PT, Allen TC, Beasley MB, eds) Informa Publishing, in press

Abstracts (Recent)

Cool C, Sporn TA, Leslie KO, Brown KB, Everett DE. Familial Interstitial Pulmonary Fibrosis: Data analysis from surgical lung biopsy in a 35 family cohort- The Duke/National Jewish Mayo Clinic Collaborative. Keynote presentation at Biennial Pulmonary Pathology Society Meeting Annecy, France, June 2005